

WHAT IS CLAIMED IS:

1. An image information display apparatus  
comprising: a display unit for displaying image data; an  
5 input unit for performing scrolling of the image data  
displayed on the display unit; and a control unit for  
controlling the display unit and the input unit,

wherein the input unit has a manipulation unit  
manipulated by an operator, a position sensor for  
10 detecting a manipulation state of the manipulation unit,  
and an actuator for supplying force-feedback to the  
manipulation unit,

wherein the image data includes a prescribed point,

wherein the control unit calculates an amount and  
15 direction of manipulation of the manipulation unit on the  
basis of positional signals output from the position  
sensor, and performs the scrolling of the image data on  
the basis of the amount and direction of manipulation of  
the manipulation unit obtained, and

20 wherein in the course of scrolling the image data,  
the control unit calculates the deviation between a  
direction from a reference point in the display unit to  
the prescribed point in the image data and the direction  
of manipulation of the manipulation unit, and controls  
25 drive of the actuator to decrease the force-feedback to  
be supplied to the manipulation unit with a decrease in  
the calculated deviation.

2. The image information display apparatus according to Claim 1, wherein in the course of scrolling the image data, the control unit calculates a distance from a reference point in the image data corresponding to the reference point in the display unit to the prescribed point, and controls the drive of the actuator to supply to the manipulation unit an appropriate force-feedback corresponding to the calculated distance to the prescribed point.

10

3. The image information display apparatus according to Claim 1, wherein in the course of scrolling the image data, the control unit calculates the variation of a distance from a reference point in the image data corresponding to the reference point in the display unit to the prescribed point, and controls the drive of the actuator to supply to the manipulation unit an appropriate force-feedback corresponding to the calculated variation of the distance to the prescribed point.

20

4. The image information display apparatus according to Claim 1, wherein the image data is map data, and the prescribed point is a destination specified by the operator.

25

5. The image information display apparatus according to Claim 4, wherein the map data is road image data

expressed two-dimensionally or three-dimensionally.

6. The image information display apparatus according  
to claim 4, wherein the map data is virtual space data  
5 expressed two-dimensionally or three-dimensionally.